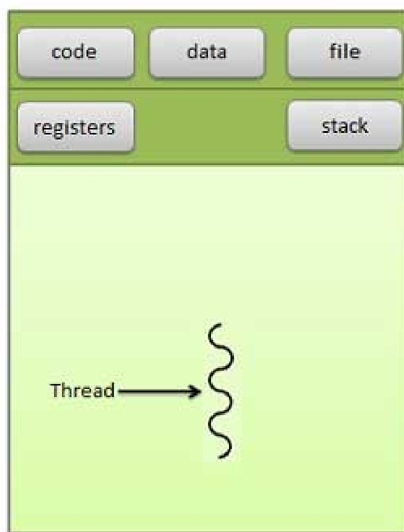
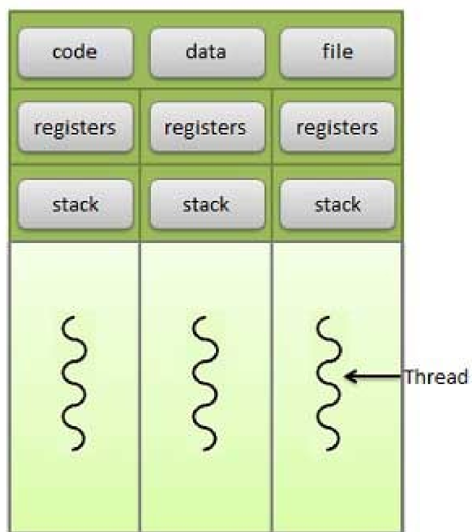
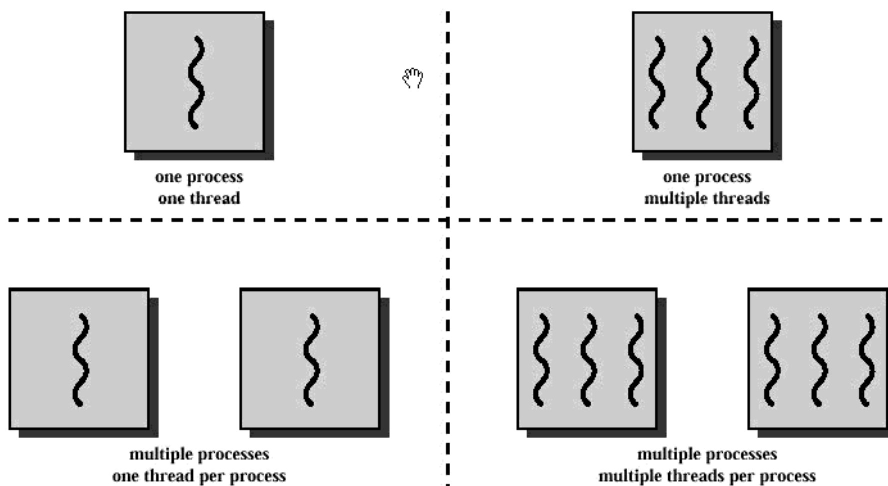
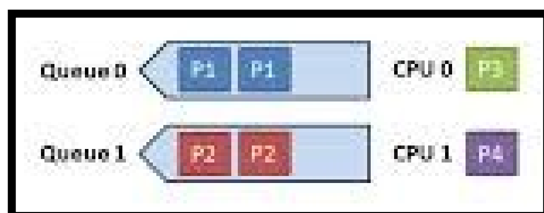


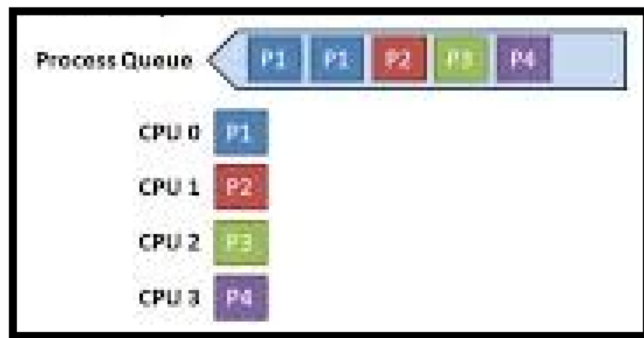
Single threaded Process

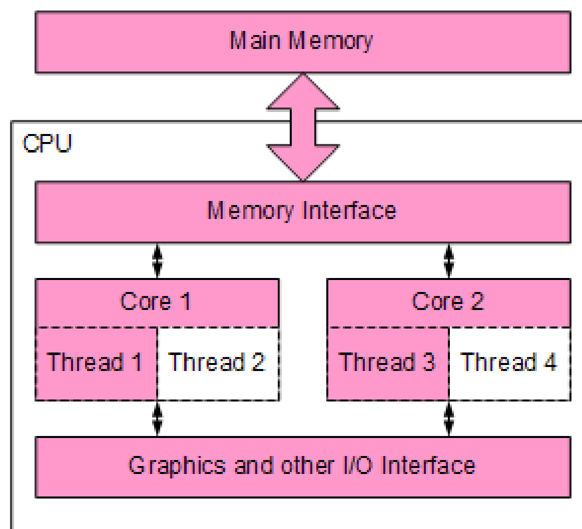


Multi-threaded Process






Process Queue
P1
P1
P2
P3
P4
CPU 0
P1
CPU 1
P2
CPU 2
P3
CPU 3
P4


Main Memory
CPU
Memory Interface
Core 1
Thread 1
Thread 2
Core 2
Thread 3
Thread 4
Graphics and other I/O Interface